



SM42T

Strategy Series® Surface Mount Loudspeaker



SM42T-W

Features

- Compact, Two-Way Loudspeaker Systems for Exceptional Performance in Sound Reinforcement Systems
- Weather-Resistant Construction For Year-round Indoor or Outdoor Use, UV-resistant Talc Impregnated Polypropylene, Injection Molded, Weatherproof Enclosure, Powder Coated Aluminum Grilles and all Brass Hardware Inserts
- 100HR Salt Spray Test Per ASTM B117
- Color Matched Heavy-duty Zinc Chromate Plated & Powder Coated "C" Bracket (Included)
- Highly Efficient 4" Polypropylene Woofer
- 1" Ferrofluid™ Cooled Dome Tweeter
- Atlas Sound TRX WAVEGUIDE™ – A Constant Directivity Style High Frequency Wave Guide System Provides Accurate, Even High Frequency Coverage
- Atlas Sound POLYGUARD™ High Frequency Circuit Diverts Damaging Transient Signals to Protect the Tweeter
- Screwdriver Adjustable 16 Watt 70.7V / 100V Transformer for Distributed Sound Applications (may be bypassed for 8Ω operation via tap selector switch)
- All ¼"-20 Hardware Inserts Allow Easy Integration of "Off The Shelf" Security Hardware
- OMNIMOUNT™ 10 Series Compatible
- Available in Black or White
- Five-Year Warranty

Applications

Use surface-mount Atlas Sound SM42T loudspeaker systems for commercial, professional, and residential applications or where high-fidelity sound and weather-resistance are desired. Full-range frequency response makes these systems ideal for indoor or outdoor installations, in monaural and stereo foreground or background music systems, and for applications in boutiques / shops, restaurants / cafes, corporate AV applications and houses of worship. Multi-position, C-shaped mounting bracket and rugged construction provide optimum installation flexibility and assurance of long-term service.

Specifications

Power Rating	16 Watts RMS
Transformer Taps	2, 4, 8, & 16 Watts and 8Ω Bypass
Frequency Response	115Hz – 16kHz (±5dB)
Sensitivity (1W / 1M)	88dB
Height	7" (177.8mm)
Width	5" (127mm)
Depth	5 ¹⁵ / ₁₆ " (150.3mm)

©2009 Atlas Sound LP. All rights reserved. Atlas Sound is a trademark of Atlas Sound L.P. All other trademarks are property of their respective owners. ATSO03249 RevA 8/09

General Description

Environment-resistant SM Series loudspeaker systems offer quality sound reproduction and contemporary styling in a compact enclosure. System components consist of a highly efficient woofer section and Ferrofluid™ cooled mylar high frequency device. Vocal and musical clarity is optimized by the mathematically conceived, advanced design of the Atlas Sound TRX Control WaveGuide™ high frequency director. This design provides smooth, even sound coverage (90° x 90°). The high frequency section is symmetrical, for equal coverage in both vertical and horizontal cabinet mounting positions. High frequency component protection is provided by the Atlas Sound Poly Guard™ protection circuit. Both drivers feature low-flux-leakage designs enabling the speaker to be used in close proximity to video monitors. For critical video monitoring applications, a minimum distance of 18" from the edge of the loudspeaker to the edge of the screen is recommended. The SM42T includes an internally mounted, 16 Watt 70.7V / 100V line matching transformer with screwdriver adjustable external tap selection for use in distributed sound applications.

To withstand the harshest environments, the new Strategy Series® SM42T surface mount loudspeakers are constructed of weather resistant materials: UV-resistant, talc impregnated, polypropylene injection molded cabinets; polypropylene woofer cones; powder coated aluminum grilles and all brass hardware. The Strategy Series speaker systems include a versatile yet simple C-bracket designed to provide easy vertical or horizontal installation on just about any surface. Care should be taken to ensure that the chosen mounting surface is strong enough to support the SM42T. Care should also be taken to ensure that the SM42T is not exposed to direct precipitation. A 5/8"-27 threaded hole is provided on the C-bracket to allow the SM series speaker to be mounted on any Atlas Sound microphone stand for near-field live sound applications. 2 3/8" OC brass inserts are also provided on the rear of the SM42T to accommodate the Atlas Sound SMBALLMOUNT bracket or OMNIMOUNT™ 10 Series brackets. All inserts for mounting knobs are standard 1/4"-20 to allow easy substitution of standard "off the shelf" vandal proof torx head or "one-way" hardware. Input connectors include a sealed 2-pole terminal strip capable of accepting up to two #14AWG wires. 2, 4, 8, and 16 Watt taps are screwdriver selectable via a sealed switch located near the input section on the rear of the cabinet. Internal transformer may also be bypassed for 8-ohm operation via tap selector switch. A flush cover with wire exit hole is provided to ensure input connections and tap selector switch are protected. Systems are available in Black or White finishes and can be painted to accommodate any architectural considerations.

Architect & Engineer Specifications

The indoor/outdoor mini-loudspeaker system shall be Atlas Sound Model SM42T-___ (B or W) or approved equal. Assemblies shall consist of two-way woofer and tweeter within environment-resistant housings. Enclosure shall be constructed of paintable UV-resistant, talc impregnated, polypropylene injection molded plastic finished in black (SM42T-B) or white (SM42T-W). Each unit shall include a stamped powder coated aluminum grille and removable C-shaped mounting bracket. All hardware inserts shall be brass and threaded 1/4"-20. The 16 Watt RMS system shall have a 4" (102mm) woofer, constructed of reinforced polypropylene, and a 1" (25mm) Ferrofluid tweeter. The dividing network crossover frequency shall be 4kHz. The dividing network shall include protection circuits for the high-frequency component. Each unit shall include an internally mounted 16 Watt 70.7V / 100V line matching transformer for use in distributed sound applications. Wattage taps shall be screwdriver selectable via a sealed switch located near the input section. Wattage taps shall be 2, 4, 8, & 16 Watts @ 70.7V. The loudspeaker system shall meet the following performance criteria: Power handling: 16 Watts RMS. Frequency response: 115Hz – 16kHz (±5dB). Sensitivity shall be 88dB SPL at one watt, 85Hz – 16kHz measured at a distance of one meter on axis. Impedance shall be 8Ω nominal. Input connectors shall include a two-pole barrier strip capable of accepting up to two #14AWG cables. A cover with wire exit hole shall be provided to protect the input connectors. The loudspeaker system shall exhibit no performance or cosmetic degradation after a 100-hour salt spray test per ASTM B117. The unit shall be 7" (178mm) high, 5" (127mm) wide, and 5 1/16" (151mm) deep.



SM42T
(Back Shown with Cover Removed)